

## VITA

David A. Balota

**Address:** Department of Psychology  
Washington University  
St. Louis, MO 63130

**Birthdate:** January 8, 1954

**Phone:** 314-935-6549 (office)  
314-725-6933 (home)  
314-935-7588 (FAX)

**Email:** dbalota@wustl.edu

### Education

1972-1976	B.A. in Psychology University of Missouri at St. Louis
1976-1978	M.A. in Experimental Psychology University of South Carolina
1978-1981	Ph.D. in Experimental Psychology University of South Carolina

**Dissertation Title:** *Automatic and Attentional Activation in Semantic and Episodic Memory: Implications for the Utility of Conscious Awareness*  
**Directed by:** Professor Randall W. Engle

### Honors

1981 Graduate Student Neidich Award  
2001 Awarded University Graduate Student Mentor Award  
2002 Outstanding Graduate Alumni Award, USC  
2007 Distinguished Alumni Award for University of Missouri at St. Louis  
2011 David Hadas, Arts and Sciences Teaching Award  
2013 Awarded University Graduate Student Mentor Award  
2014 Arthur Holly Compton Award for Faculty Excellence in Arts & Sciences

### Professional and Teaching Experience

1976-1981	University of South Carolina Teaching and Research Assistant
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1981-1983	Sloan Foundation and NIH Post Doctoral Research Fellow at the University of Massachusetts, Amherst
1983-1984	Assistant Professor, University of Kentucky
1984-1985	Assistant Professor, Iowa State University
1985-1989	Assistant Professor, Washington University
1987-1988	Invited Research Fellow at the Netherlands Institute for Advanced Study in the Social Sciences
1989-	Associate Professor, Washington University
1990	Invited Visiting Scholar (7/2/90 - 8/14/90) at the Max Planck Institute for Psycholinguistics in Nijmegen, The Netherlands
1995-	Full Professor, Washington University
1996 (summer)	Erskine Distinguished Professor, University of Canterbury, New Zealand
1996-	Professor of Neurology, Washington University

### Journal Publications

- Balota, D.A., & Neely, J.H. (1980). Test-expectancy and word-frequency effects in recall and recognition. *Journal of Experimental Psychology: Human Learning and Memory*, 6, 576-587.
- Balota, D.A., & Engle, R.W. (1981). Structural and strategic factors in the stimulus suffix effect. *Journal of Verbal Learning and Verbal Behavior*, 20, 346-357.
- Neely, J.H., & Balota, D.A. (1981). Test-expectancy and semantic organization effects in recall and recognition. *Memory & Cognition*, 9, 283-300.
- Balota, D.A. (1983). Automatic semantic activation and episodic memory encoding. *Journal of Verbal Learning and Verbal Behavior*, 22, 88-104.
- Balota, D.A., & Rayner, K. (1983). Parafoveal visual information and semantic contextual constraints. *Journal of Experimental Psychology: Human Perception and Performance*, 9, 726-738.
- Balota, D.A., & Chumbley, J.I. (1984). Are lexical decisions a good measure of lexical access? The role of the neglected decision stage. *Journal of Experimental Psychology: Human Perception and Performance*, 3, 340-357.
- Chumbley, J.I., & Balota, D.A. (1984). A word's meaning affects the decision in lexical decision. *Memory & Cognition*, 12, 590-606.
- Myers, J.L., O'Brien, E.J., Balota, D.A., & Toyofuku, M.L. (1984). Memory search without interference: The role of integration. *Cognitive Psychology*, 16, 217-242.

- Balota, D.A. (1985). Some old and new ideas about dual route theory. *Behavioral and Brain Sciences*, 8, 736.
- Balota, D.A., & Chumbley, J.I. (1985). The locus of word-frequency effects in the pronunciation task: Access and/or production? *Journal of Memory and Language*, 24, 89-106.
- Balota, D.A., Pollatsek, S., & Rayner, K. (1985). The interaction of contextual constraints and parafoveal visual information in reading. *Cognitive Psychology*, 17, 364-390.
- Balota, D.A. (1986). Unconscious semantic processing: The pendulum keeps on swinging. *Behavioral and Brain Sciences*, 9, 23-24.
- Balota, D.A., & Duchek, J.M. (1986). Voice-specific information and the 20-second delayed-suffix effect. *Journal of Experimental Psychology: Learning, Memory & Cognition*, 12, 509-516.
- Balota, D.A., & Lorch, R.F., Jr. (1986). Depth of automatic spreading activation: Mediated priming effects in pronunciation but not in lexical decision. *Journal of Experimental Psychology: Learning, Memory and Cognition*, 12, 336-345.
- Lorch, R.F., Jr., Balota, D.A., & Stamm, E.G. (1986). Locus of inhibition effects in the priming of lexical decisions: Pre- or post-lexical access? *Memory & Cognition*, 14, 95-103.
- Pollatsek, A., Rayner, K., & Balota, D.A. (1986). Inferences about eye-movement control from the perceptual span in reading. *Perception and Psychophysics*, 40, 123-130.
- Rayner, K., Balota, D.A., & Pollatsek, A. (1986). Against parafoveal semantic preprocessing during eye fixations in reading. *Canadian Journal of Psychology*, 40, 473-483.
- Balota, D.A., & Duchek, J.M. (1988). Age related differences in lexical access, spreading activation, and simple pronunciation. *Psychology and Aging*, 3, 84-93.
- Balota, D.A., Boland, J., & Shields, L. (1989). Priming in pronunciation: Beyond pattern recognition and onset latency. *Journal of Memory and Language*, 28, 14-36.
- Balota, D.A., & Duchek, J.M. (1989). Spreading activation in episodic memory: Further evidence for age-independence. *Quarterly Journal of Experimental Psychology*, 41A, 849-876.
- Balota, D.A., Duchek, J.M., & Paullin, R. (1990). Age-related differences in the impact of spacing, lag and retention interval. *Psychology and Aging*, 4, 3-9.
- Balota, D.A., & Chumbley, J.I. (1990). Where are the effects of frequency in visual word recognition tasks? Right where we said they were! Comment on S. Monsell, M.C. Doyle, and P.N. Haggard (1989). *Journal of Experimental Psychology: General*, 119, 231-237.
- Balota, D.A., Cowan, N., Engle, R.W. (1990). Suffix interference in the recall of linguistically coherent speech. *Journal of Experimental Psychology: Learning, Memory and Cognition*, 16, 446-456.

- Balota, D.A., & Duchek, J.M. (1991). Semantic priming effects, lexical repetition effects, and contextual disambiguation effects in healthy aged individuals and individuals with senile dementia of the Alzheimer type, *Brain and Language*, *40*, 181-201.
- Abrams, R.A., & Balota, D.A. (1991). Mental chronometry: Beyond reaction time. *Psychological Science*, *2*, 153-157.
- Shields, L. W., & Balota, D.A. (1992). Repetition and associative context effects in speech production. *Language and Speech*, *34*, 47-55.
- Balota, D.A., Black, S., & Cheney, M. (1992). Automatic and attentional processes in young and older adults: A reevaluation of the two-process model of semantic priming, *Journal of Experimental Psychology: Human Perception and Performance*, *18*, 485-502.
- Connor, L.T., Balota, D.A., & Neely, J.H. (1992). On the relation between feeling of knowing and lexical decision: Persistent subthreshold activation or topic familiarity? *Journal of Experimental Psychology: Learning, Memory and Cognition*, *18*, 544-554.
- LaBarge, E., Balota, D.A., Storandt, M., & Smith, D.S. (1992). An analysis of confrontation naming errors in senile dementia of the Alzheimer type. *Neuropsychology*, *6*, 77-95.
- Ferraro, F.R., Balota, D.A., & Connor, L.T. (1993). Implicit memory and the formation of new associations in non-demented Parkinson's disease individuals and individuals with Senile Dementia of the Alzheimer Type: A serial reaction time (SRT) investigation. *Brain and Cognition*, *21*, 163 - 180.
- Balota, D.A., & Ferraro, F.R. (1993). A dissociation of frequency and regularity effects in pronunciation performance across young adults, older adults, and individuals with senile dementia of the Alzheimers Type. *Journal of Memory and Language*, *32*, 573-592.
- Verdolini-Marston, K., & Balota, D.A. (1994). The role of elaborative and perceptual integrative processes in perceptual-motor performance. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *20*, 739-749.
- Duchek, J.M., Balota, D.A., Ferraro, F.R. (1994). Component analysis of a rhythmic finger tapping task in individuals with senile dementia of the Alzheimer type and in Parkinson's Disease individuals. *Neuropsychology*, *8*, 218-226.
- Lyons, K., Kemper, S., LaBarge, E., Ferraro, F.R., Balota, D.A., Storandt, M. (1994). Oral language and Alzheimer's disease: A reduction in syntactic complexity. *Aging and Cognition*, *1*, 271-281.
- Duchek, J.M., Balota, D.A., Faust, M.E., & Ferraro, F.R. (1995). Inhibitory processes in young and older adults in a picture-word task. *Aging and Cognition*, *2*, 1-111.
- Balota, D.A. & Abrams, R.A. (1995). Mental chronometry: Beyond onset latencies in the lexical decision task. *Journal of Experimental Psychology: Learning, Memory and Cognition*, *21*, 1289-1302.

Sullivan, M.P., Faust, M.E., Balota, D.A. (1995). Identity negative priming in older adults and in individuals with dementia of the Alzheimers type. *Neuropsychology*, 9, 537 - 555.

Balota, D.A., & Ferraro, F.R. (1996). Lexical, sublexical, and implicit memory processes in healthy young, healthy older adults and in individuals with dementia of the Alzheimer Type. *Neuropsychology*, 10, 82 - 95.

Fiez, J.A., Raichle, M.E., Balota, D.A., Tallal, P., Petersen, S.E. (1996). PET activation of posterior temporal regions during auditory word presentation and verb generation. *Cerebral Cortex*, 6, 1 - 10.

Multhaup, K.S., Balota, D.A., & Cowan, N. (1996). Implications of aging, lexicality, and item length for the mechanisms underlying memory span. *Psychonomic Bulletin & Review*, 3, 112 - 120.

Spieler, D.H., Balota, D.A., & Faust, M.E. (1996). Stroop performance in younger adults, healthy older adults, and individuals with Senile Dementia of the Alzheimer's Type. *Journal of Experimental Psychology: Human Perception and Performance*, 22, 461 - 479.

Balota, D.A. & Paul, S.T. (1996). Summation of activation: Evidence from multiple primes that converge and diverge within semantic memory. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 22, 827-845.

Fiez, J.A., Raife, E.A., Balota, D.A., Schwarz, J.P. Raichle, M.E., & Petersen, S.E. (1996). A positron emission tomography study of the short-term maintenance of verbal information. *Behavioral Neuroscience*, 11, 20-35.

Spieler, D. H., & Balota, D.A. (1996). Characteristics of associative learning in younger and older adults: Evidence from an episodic priming paradigm. *Psychology and Aging*, 11, 607-620.

Balota, D.A., & Black, S. (1997). Semantic satiation in healthy young and older adults. *Memory & Cognition*, 25, 190-202.

Faust, M.E., Balota, D.A., Duchek, J.M., Gernsbacher, M.A., & Smith, S. (1997). Inhibitory control during sentence comprehension in individuals with Dementia of the Alzheimer Type. *Brain & Language*, 57, 225-253.

Faust, M.E., Balota, D.A. (1997). Inhibition of return and visual-spatial attention in healthy older adults and individuals with dementia of the Alzheimer Type. *Neuropsychology*, 11, 13-29.

Multhaup, K., Balota, D.A. (1997). Generation effects and source memory in healthy older adults and individuals with dementia of the Alzheimer type, *Neuropsychology*, 11, 382-391.

Spieler, D.H., & Balota, D.A., (1997). Bringing computational models of word naming down to the item level. *Psychological Science*, 6, 411-416.

Balota, D.A., & Spieler, D. (1998). The utility of item-level analyses in model evaluation: Reply to Seidenberg and Plaut (1998). *Psychological Science*, 9, 238-241.

- Duchek, D.A., Balota, D.A., & Thessing, V.C. (1998). Inhibition of visual and conceptual information during reading in healthy aging and Alzheimer's Disease. *Aging, Neuropsychology, and Cognition*, 5, 169-181.
- Kanne, S.M., Balota, D.A., Spieler, D., Faust, M.E. (1998). Explorations of Cohen, Dunbar, and McClelland's (1990) Connectionist Model of Stroop Performance. *Psychological Review*, 105, 174-187.
- Kanne, S.M., Balota, D.A., McKeel, D.W., Storandt, M., & Morris, J.C. (1998). Relating anatomy to function in Alzheimer's disease: Neuropsychological profiles predict regional neuropathology five years later. *Neurology*, 50, 979-985.
- Balota, D.A., & Spieler, D. (1999). Word frequency, repetition, and lexicality effects in word recognition tasks: Beyond measures of central tendency. *Journal of Experimental Psychology: General*, 128, 32-55..
- Balota, D.A., Cortese, M.J., Duchek, J.M., Adams, D., Roediger, H.L., McDermott, K.B., & Yerys, B.E. (1999). Veridical and false memories in healthy older adults and in dementia of the Alzheimer's Type. *Cognitive Neuropsychology*, 16, 361-384.
- Balota, D.A., Watson, J.M., Duchek, J.M. & Ferraro, F.R. (1999). Cross-modal semantic and homograph priming in healthy young, healthy old, and in Alzheimer's disease individuals. *Journal of International Neuropsychological Society*, 5, 626-640.
- Faust, M.E., Balota, D.A., Spieler, D.H., Ferraro, R.F. (1999). Individual differences in information processing rate and amount: Implications for group differences in response latency. *Psychological Bulletin*, 125, 777-799.
- Ferraro, F.R., & Balota, D.A. (1999). Memory scanning performance in healthy young adults, healthy older adults, and individuals with dementia of the Alzheimer Type. *Aging, Neuropsychology, and Cognition*, 6, 260-272.
- Fiez, J.A., Balota, D.A., Raichle, M.E., Petersen, S.E. (1999). Effects of frequency, spelling-to-sound consistency, and lexicality on the functional anatomy of reading, *Neuron*, 24, 205-218.
- Balota, D.A., Law, M.B., & Zevin, J.D. (2000). The attentional control of lexical processing pathways: Reversing the word frequency effect. *Memory and Cognition*, 28, 1081-1090.
- Spieler, D.H., & Balota, D.A. (2000). Factors influences word naming in younger and older adults. *Psychology and Aging*, 15, 225-231.
- Spieler, D.H., Balota, D.A., & Faust. (2000). Levels of selective attention revealed through analyses of reaction time distributions. *Journal of Experimental Psychology: Human Perception and Performance*, 26, 506-526.
- Pilotti, M., Balota, D.A., Sommers, M., & Khurshid, A. (2000). Auditory habituation in young and older adults: The verbal transformation and semantic satiation effects. *Psychology and Aging*, 15, 313-322.
- Zevin, J.D., Balota, D.A.. (2000). Priming and attentional control of lexical and sublexical pathways during naming. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 26, 121-136.

- Watson, J.M., Balota, D.A., & Sergent-Marshall, S.D. (2001). Semantic, phonological, and hybrid veridical and false memories in healthy older adults and in individuals with Dementia of the Alzheimer Type, *Neuropsychology*, *15*, 254-267.
- Morris, J.C., & Balota, D.A. (2001). Semantic dementia versus Alzheimer's Disease: A matter of semantics? *Neurology*, *57*, 173-174.
- Balota, D.A., Pilotti, M., & Cortese, M.J. (2001). Subjective frequency estimates for 2,938 monosyllabic words. *Memory & Cognition*, *29*, 639-647.
- Faust, M.E., Balota, D.A., & Spieler, D.H. (2001). Building episodic connections: Changes in episodic priming with age and dementia. *Neuropsychology*, *15*, 626-637.
- Roskies, A.L., Fiez, J.A., Balota, D.A., Raichle, M.E., & Petersen, S.E. (2001). Task-dependent modulation of regions in left inferior frontal cortex during semantic processing. *Journal of Cognitive Neuroscience*, *13*, 829-843.
- Balota, D.A., Burgess, G.C., Cortese, M.J., Adams, D.R. (2002). Memory for the infrequent in young, old, and early stage Alzheimer's Disease: Evidence for two processes in episodic recognition performance. *Journal of Memory and Language*, *46*, 199-226.
- Cortese, M.J., Balota, D.A., Sergent-Marshall, S.D., & Buckner, R.L. (2003). Spelling via semantics and phonology: exploring the effects of age, Alzheimer's Disease, and primary semantic dementia. *Neuropsychologia*, *41*, 952-967.
- Hutchison, K., & Balota, D.A. (2003). Structure vs. Processing Deficits in Alzheimer's Disease: A Matter of Degree (A Comment on Storms, Dirikx, Særens, Verstraeten, & De Deyn, 2003). *Neuropsychology*, *17*, 306-309.
- Johnson, D.K., Storandt, M., & Balota, D.A. (2003). A discourse analysis of logical memory recall in normal aging and in dementia of the Alzheimer Type. *Neuropsychology*, *17*, 82-92.
- Logan, J.M., & Balota, D.A. (2003). Conscious and unconscious lexical retrieval blocking in younger and older adults. *Psychology & Aging*, *18*, 537-550.
- Multhaup, K.M., Balota, D.A., & Faust, M.E. (2003). Release from proactive interference in healthy older adults and in early stage Alzheimer's Disease. *Journal of the International Neuropsychological Society*, *9*, 830-838.
- Watson, J.M., Balota, D.A., Roediger, III (2003). Creating false memories with hybrid lists of semantic and phonological associates: Over-additive false memories produced by converging associative networks. *Journal of Memory & Language*, *49*, 95-118.
- Marsh, E.J., Dolan, P.O., Balota, D.A., & Roediger, H.R.L. III (2004). Part set cuing effects in younger and older adults. *Psychology and Aging*, *19*, 134-144.
- Watson, J.M., McDermott, K.B., & Balota, D.A. (2004). Attempting to avoid false memories in the Deese/Roediger-McDermott paradigm: Assessing the combined influence of practice and warnings in young and old adults. *Memory & Cognition*, *32*, 135-141
- Balota, D.A., Cortese, M.J., Sergent-Marshall, S.D., Spieler, D.H., & Yap, M.J. (2004). Visual word recognition of single-syllable words. *Journal of Experimental Psychology: General*, *133*, 283-316.

- Faust, M.E., Balota, D.A., & Multhaup, K.S. (2004). Phonological blocking during picture naming in dementia of the Alzheimer Type. *Neuropsychology*, *18*, 526-536.
- Hutchison, K.A., & Balota, D.A. (2005). Decoupling semantic and associative information in false memories: Explorations with semantically ambiguous and unambiguous critical lures. *Journal of Memory and Language*, *52*, 1-28.
- Gold, B. T., Balota, D.A., Kirchoff, B.A., & Buckner, R.L. (2005). Common and dissociable activation patterns associated with controlled semantic and phonological processing: Evidence from fMRI adaptation. *Cerebral Cortex*, *10*, 1-13.
- Marsh, E.M., Balota, D.A., & Roediger, H.L. III (2005). Learning facts from fiction: The effects of healthy aging and early stage dementia of the Alzheimer's type. *Neuropsychology*, *19*, 115-129.
- Duchek, J.M., & Balota, D.A. (2005). Switching and Controlling Attention in Healthy Aging and Early Stage Dementia of the Alzheimer Type: Evidence from Dichotic Listening. *Neuropsychology*, *19*, 687-695.
- Gold, B.T. Balota, D.A., Cortse, M.J., Sergent-Marshall, S.D., Snyder, A.Z., Salat, D.H., Dale, A.M., Morris, J.C., Buckner, R.L. (2005). Differing neuropsychological and neuroanatomical correlates of abnormal reading in early-stage semantic dementia and dementia of the Alzheimer's type. *Neuropsychologia*, *43*, 833-846.
- Larsen, R.J., Mercer, K.A., & Balota, D.A. (2006). Lexical characteristics of words used in emotion Stroop experiments. *Emotion*, *6*, 62-72.
- Balota, D.A., Duchek, J.M., Sergent-Marshall, S.D., & Roediger, H.L. III (2006). Does expanded retrieval produce benefits over equal interval spacing? Explorations of spacing effects in healthy aging and early stage Alzheimer's Disease. *Psychology & Aging*, *21*, 19-31.
- Colombo, L., Pasini, M., & Balota, D.A. Dissociating the influence of familiarity and meaningfulness from word frequency in naming and lexical decision performance. *Memory & Cognition*, *34*, 1312-1324.
- Bulevich, J.B., Roediger, H.L., III, Balota, D.A., & Butler, A.B. (2006). Failures to find suppression of episodic memories in the think/no-think paradigm. *Memory & Cognition*, *34*, 1569-1577.
- Gold, B.T., Balota, D.A., Jones, S.J., Powell, D.K., Smith, C.D., & Andersen, A.H. (2006). Dissociation of automatic and strategic lexical-semantics: fMRI evidence for differing roles of multiple frontotemporal regions. *Neuroscience*, *26*, 6523-6532.
- Yap, M.J., & Balota, D.A., Cortese, M.J., & Watson, J.M. (2006). Single versus dual process models of lexical decision performance: Insights from RT distributional analyses. *Journal of Experimental Psychology: Human Perception & Performance*, *37*, 1324-1344.
- Duchek, J.M., Balota, D.A., & Cortese, M.J. Prospective memory and apolipoprotein E in healthy aging and early stage Alzheimer's Disease. (2006). *Neuropsychology*, *20*, 633-644.

- Cortese, M.J., Balota, D.A., Sergent-Marshall, S.D., Buckner, R.L., & Gold, B.T. (2006). Consistency and regularity in past tense verb generation in healthy aging, Alzheimer's Disease, and Semantic Dementia. *Cognitive Neuropsychology*, *23*, 856-876.
- Yap, M.J., & Balota, D.A. (2007). Additive and interactive effects on response time distributions in visual word recognition. *Journal of Experimental Psychology: Learning, Memory & Cognition*, *23*, 274-296.
- Meade, M.L., Watson, J.M., Balota, D.A., & Roediger, H.L. III (2007). The roles of spreading activation and retrieval mode in producing false recognition in the DRM paradigm. *Journal of Memory & Language*, *56*, 305-320.
- Castel, A.D., Balota, D.A., Hutchison, K.A., Logan, J.M., & Yap, M.J. (2007). Spatial attention and response control in healthy younger and older adults and individuals with Alzheimer's Disease: Evidence for disproportionate selection impairments in the Simon Task. *Neuropsychology*, *21*, 170-182.
- Balota, D.A., Yap, M.J., Cortese, M.J., Hutchison, K.I., Kessler, B., Loftis, B., Neely, J.H., Nelson, D.L., Simpson, G.B., Treiman, R. (2007). The English lexicon project. *Behavior Research Methods*. *39*, 445-459.
- McCabe, D.P., & Balota, D.A. (2007). Context effects on remembering and knowing: The Expectancy Heuristic. *Journal of Experimental Psychology: Learning, Memory & Cognition*, *33*, 536-549.
- Duchek, J.M., Balota, D.A., Larsen, R. & Storandt, M. (2007). The power of personality in discriminating between healthy aging and early stage Alzheimer's Disease. *Journal of Gerontology: Psychological Sciences*. *6*, 353-361.
- Logan, J.M. & Balota, D.A. (2008). Expanded vs equal spaced retrieval practice in healthy young and older adults. *Aging, Cognition, and Neuropsychology*, *15*, 257-280.
- Hutchison, K.A., Balota, D.A., Cortese, M.J., & Watson, J.M. (2008). Predicting semantic priming at the item level. *Quarterly Journal of Experimental Psychology*, *61*, 1036-1066.
- Yap, M.J., Balota, D.A., Tse, C.S., Besner, D. (2008). On the interactive effects of stimulus quality and word frequency in lexical decisions: Evidence for opposing interactive influences revealed by RT distributional analyses. *Journal of Experimental Psychology: Learning, Memory & Cognition*, *34*, 495-513.
- Balota, D.A., Yap, M.J., Cortese, M.I, Watson, J.M. (2008). Beyond response latency: An RT distributional analysis of semantic priming. *Journal of Memory & Language*, *59*, 495-523.
- Larsen, R. J., Mercer, K. A., Balota, D. A. & Strube, M. J. (2008). Not all negative words slow down lexical decision and naming speed: Importance of word arousal. *Emotion*, *8*, 445-452.

- Yarkoni, T., Speer, N.K., Balota, D.A., McAvoy, M.P., & Zacks, J.M. (2008). Pictures of a thousand words: Investigating the neural mechanisms of reading with extremely rapid event-related fMRI, *NeuroImage*, *42*, 973-987.
- Castel, A.D., Balota, D.A., McCabe, D.P. (2009). Memory efficiency and the strategic control of attention at encoding: Impairments of Value-Directed Remembering in Alzheimer's Disease. *Neuropsychology*, *23*, 297-306.
- McCabe, D.D., Roediger, H.L., McDaniel, M.A., Balota, D.A. (2009). Aging reduces veridical remembering but increases false remembering: Neuropsychological test correlates of remember-know judgments, *Neuropsychologia*, *47*, 2164-2173.
- Yap, M.J., Balota, D.A. (2009). Visual word recognition of multisyllabic words. *Journal of Memory and Language*, *60*, 502-529.
- Yarkoni, T., Balota, D.A., & Yap, M.J. (2009). Beyond Coltheart's N: A new measure of orthographic similarity. *Psychonomic Bulletin & Review*, *15*, 971-979.
- Coane, J.H., Balota, D.A. (2009). Priming the holiday spirit: Persistent activation due to extra-experimental experiences. *Psychonomic Bulletin & Review*, *16*, 1124-1128.
- Duchek, J.M., Balota, D.A., Tse, Chi-Shing, Holtzman, D.M., Fagan, A.M., & Goate, A.M. (2009). The utility of intraindividual variability in selective attention tasks as an early marker for Alzheimer's disease. *Neuropsychology*, *23*, 746-758.
- Kang, S.H.K., Balota, D.A., Yap, M.J. (2009). Pathway control in visual word processing: Converging evidence from recognition memory. *Psychonomic Bulletin & Review*, *16*, 692-698.
- Yap, M.J., Tse, Chi-Shing, Balota, D.A. (2009). Individual differences in the joint effects of semantic priming and word frequency: The role of lexical integrity. *Journal of Memory & Language*, *61*, 303-325..
- Tse, C.S., Balota, D.A., Moynan, S.C., Duchek, J.M., Jacoby, L.L. (2010). The utility of placing recollection in opposition to familiarity in early discrimination of healthy aging and very mild dementia of the Alzheimer's type. *Neuropsychology*, *24*, 49-67.
- McCabe, D.P., Roediger, H.L., McDaniel, M.A., Balota, D.A., & Hambrick, D.Z. (2010). The relationship between working memory capacity and executive functioning: Evidence for a common executive attention construct. *Neuropsychology*, *24*, 222-243.
- Tse, C.S., Balota, D.A., Yap, M.J. Duchek, J.M., McCabe, D. P. (2010). Effects of healthy aging and early stage dementia of the Alzheimer's Type on Components of Response time distributions in three attention tasks. *Neuropsychology*, *24*, 300-315.
- Balota, D.A., Tse, C.S., Hutchison, K.A., Spieler, D.H., Duchek, J.M., & Morris, J.C. (2010) Predicting conversion to dementia of the Alzheimer's type in a healthy

- control sample: The power of errors in Stroop color naming. *Psychology & Aging*, 25, 208-218.
- Coane, J.H., & Balota, D.A. (2010). Repetition Priming Across Distinct Contexts: Effects of Lexical Status, Word Frequency, and Retrieval Test. *Quarterly Journal of Experimental Psychology*, 63, 2376-2398.
- Hutchison, K.A., Balota, D.A., Duchek, J.M. (2010). The Utility of Stroop Task Switching as a Marker for Early Stage Alzheimer's Disease. *Psychology & Aging*, 25, 545-559.
- Tse, C.S., Balota, D.A., Roediger, H.L. (2010). The benefits and costs of repeated testing on the learning of face-name pairs in healthy older adults. *Psychology & Aging*, 25, 833-845.
- Coane, J.H., & Balota, D.A. Face (and Nose) Priming for Book: The malleability of semantic memory. (2011). *Experimental Psychology*, 58, 62-70.
- Church, J.A., Balota, D.A., Petersen, S.E., Schlaggar, B.L. (2011). Manipulations of length and lexicality localizes the functional neuroanatomy of phonological processing in adult readers. *Journal of Cognitive Neuroscience*, 23, 1475-1493.
- Szekely, A., Balota, D.A., Duchek, J.M., Nemoda, Z, Vereczkei, A, Sasvari-Szekely, M. (2011). Genetic factors of reaction time performance: DRD4 7-repeat allele associated with slower responses. *Genes, Brain & Behavior*, 10, 129-136.
- Holtzman, N.S., Schott, J.P., Jones, M.N, Balota, D.A., Yarkoni, T. (2011). Exploring media bias with semantic analysis tools: Validation of the Contrast Analysis of Semantic Similarity (CASS). *Behavior Research Methods*, 43, 193-200.
- Anderson, B.A., Jacoby, L.L., Thomas, R.C., & Balota, D.A. (2011). The effects of age and divided attention on spontaneous recognition. *Memory & Cognition*, 39, 725-735.
- Balota, D.A., & Yap, M.J. (2011). Moving beyond the mean in studies of mental chronometry: The power of response time distributional analyses. *Current Directions in Psychological Sciences*, 20, 160-166.
- Coane, J.H., & Balota, D.A., Dolan, P.O., & Jacoby, L.L. (2011). Not all sources of familiarity are created equal. The case of word frequency and repetition in recognition memory. *Memory & Cognition*, 38, 791-805.
- Jackson, J. Balota, D.A., & Head, D. (2011). Exploring the relationship between personality and regional brain volume in healthy aging. *Neurobiology of Aging*, 32, 2162-2171.
- Xiong, C, Roe, C.M., Buckles, V., Faga, A., Holtzman, D., Balota, D., Duchek, J., Storandt, M., Mintun, M., Grant, E., Snyder, A.Z., Head, D., Benzinger, T.L.S., Mettenberg, J., Csernanasky, J., & Morris, J.C. (2011). Role of family history for Alzheimer biomarker abnormalities in the Adult Child Study. *Archives of Neurology*, 68, 1311-1317.

- Maddox, G.B., Balota, D.A., Coane, J.H., Duchek, J.M. (2011). The role of forgetting rate in producing a benefit of expanded over equal spaced retrieval in young and older adults. *Psychology & Aging*, 26, 661-670.
- Dufau, S., Duñabeitia, J.A., Moret-Tatay, C., et al. (2011). Smart phone, smart science: How the use of smartphones can revolutionize research in cognitive science. *PLoS ONE*, 6, e24974.
- McDaniel, M.A., Shelton, J.T., Breneiser, J.E., Moynan, S., Balota, D.A. (2011). Integral and Peripheral Prospective Memory Performance in Very Mild Dementia: A Signature Decline. *Neuropsychology*, 25, 387-396.
- Silverberg, N.B., Ryan R.L., Carillo, M.C. et al. (2011). Assessment of cognition in early dementia. *Alzheimer's and Dementia*, 7, 60-76.
- Castel, A.D., Humphreys, K.L., Lee, S.S., Galvan, A., Balota, D.A., McCabe, D.P. (2011). The Development of Memory Efficiency and Value-Directed Remembering Across the Lifespan: A Cross-Sectional Study of Memory and Selectivity. *Developmental Psychology*, 47, 1553-1564.
- Jackson, J.D., Balota, D.A., Duchek, J.M., Head, D. (2012). White matter integrity and reaction time intraindividual variability in healthy aging and early stage Alzheimer's disease. *Neuropsychologia*, 50, 357-365.
- Jackson, J.D. & Balota, D.A. (2012). Mind wandering in younger and older adults: Converging evidence from the sustained attention to response tasks and reading for comprehension. *Psychology & Aging*, 27, 106-119.
- Yap, M.J., Balota, D.A., Sibley, D.E., Ratcliff, R. (2012). Individual differences in visual word recognition: Insights from the English Lexicon Project. *Journal of Experimental psychology: Human Perception and Performance*, 18, 53-79.
- Bangert, A., Abrams, R.A., Balota, D.A. (2012). Reaching for Words and Non-Words: Interactive effects of word frequency and stimulus quality on the characteristics of reaching movements. *Psychonomic Bulletin & Review*, 19, 513-520.
- Bangert, A.S. & Balota, D.A. (2012). Keep up the pace: Declines in simple repetitive timing differentiates healthy aging from the earliest stages of Alzheimer's disease. *Journal of the International Neuropsychological Society*, 18, 1052-1063.
- Maddox, G., & Balota, D.A. Self control of when and how much to test face-name pairs in a novel spaced retrieval paradigm: An examination of age-related differences. (2012). *Aging, Neuropsychology and Cognition*, 19, 620-642.
- Bui, D.C., Maddox, G.B., Balota, D.A. (2013). The role of working memory and intervening task difficulty in determining the benefits of repetition. *Psychonomic Bulletin & Review*, 20, 341-347.
- Cohen-Shikora, E.R., Balota, D.A. (2013). Past tense route priming. *Cognition*, 126, 397-404.

Cohen-Shikora, E. R., Balota, D.A., Kapuria, A., & Yap, M.J. (2013). The Past Tense Inflection Project (PTIP): Speeded Past Tense Inflections, Imageability Ratings, and Past Tense Consistency Measures for 2200 Verbs. *Behavior Research Methods*, *45*, 151-159.

Scaltritti, M., Balota, D.A., Peressotti, F. (2013). Exploring the additive effects of stimulus quality and word frequency: The influence of local and list wide prime relatedness. *Quarterly Journal of Experimental Psychology*, *66*, 91-107.

Yap, M.J., Balota, D.A., & Tan, S.E. (2013). Additive and Interactive Effects of Semantic Priming: Isolating Lexical and Decision Processes in the Lexical Decision Task. *Journal of Experimental Psychology: Human Perception and Performance*, *39*, 140-158.

Thomas, A.K., Meeyeon, L., & Balota, D.A. (2013). Metacognitive monitoring and dementia: How intrinsic and extrinsic cues influence judgments of learning in people with early stage Alzheimer's disease. *Neuropsychology*, *27*, 452-463.

Balota, D.A., Aschenbrenner, A. J., & Yap, M. J. (2013). Additive effects of word frequency and stimulus quality: The influence of trial history and data transformations. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, *39*, 1563-1571.

Duchek, J.M., Balota, D.A., Thomas, J.B., Snyder, A.Z., Rich, P. Benzinger, T.L., Fagan, A.M., Holtzman, D.M., Morris, J.C., & Ances, B.M. (2013). Relationship between Stroop performance and resting state functional connectivity in cognitively normal older adults. *Neuropsychology*, *27*, 516-528.

Hutchison, K.A., Balota, D.A., Neely, J.H., Cortese, M.J., Cohen-Shikora, E.R., Tse, C.S., Yap, M.J., Bengson, J.J., Niemyer, D., Buchanan, E. (2013). The semantic priming project. *Behavior Research Methods*, *45*, 1099-1114.

Jackson, J.D., & Balota, D.A. Age-related changes in attentional selection: Quality of task set or degradation of task set across time? (2013). *Psychology & Aging*, *28*, 744-753.

Jackson, J. D., Weinstein, Y., Balota, D.A. (2013). Can mind-wandering be timeless? Atemporal focus and aging in mind-wandering paradigms. *Frontiers in Psychology*, *4*, Article 742, 1-18.

Scaltritti, M., Balota, D.A. (2013). Are all letters really processed equally and in parallel? Further evidence of a robust first letter advantage. *Acta Psychologica*, *114*, 397-410.

Storandt, M., Balota, D.A., Aschenbrenner, A.J., & Morris, J.C. (2014). Clinical and Psychological Characteristics of Initial Cohort of the Dominantly Inherited Alzheimer Network (DIAN). *Neuropsychology*, *28*, 19-29.

- Monti, J.M., Balota, D.A., Warren, D.E., Cohen, N.J. (2014). Very mild Alzheimer's disease is characterized by increased sensitivity to mnemonic interference. *Neuropsychologia*, *59*, 47-56.
- Pyc, M. A., Balota, D.A., McDermott, K.B., Tully, T., & Roediger, H.L. (2014). Between-list lag effects in recall depend on retention interval. *Memory & Cognition*, *42*, 965-977.
- Tse, C.S., Chang, J.J, Fung, A.W.T., Lam, L.C.W., Hau, K.T., Leung, G.T.Y, Balota, D.A. (2015). The utility of a non-verbal prospective memory measure as a sensitive marker for early-stage Alzheimer's disease in Hong Kong. *International Psychogeriatrics*, *27*, 231-242.
- Aschenbrenner, A. J. & Balota, D.A. (2015). Interactive effects of working memory and trial history on Stroop interference in cognitive healthy aging. *Psychology & Aging*, *30*, 1-8.
- Yap, M.J., Sibley, D.E., Balota, D.A., Ratcliff, R., Rueckl, J. (2015). Responding to nonwords in the Lexical Decision Task: Insights from the English Lexicon Project. *Journal of Experimental Psychology: Learning, Memory & Cognition*, *in press*.
- Aschenbrenner, A.J., Balota, D.A., Tse, C.S., Fagan, A.M., Holtzman, D.M., Benzinger, T.L.S., Morris, J.C. (2015). Alzheimer's disease biomarkers, attentional control, and semantic memory retrieval: Synergistic and mediational effects of biomarkers on a sensitive cognitive measure. *Neuropsychology*, *28*, 368-381.
- Gordon, B.A., Zacks, J.M., Blazey, T., Benzinger, T.L.S., Morris, J.C., Fagan, A.M, Holtzman, D.M., Balota, D.A. (2015). Task-evoked fMRI changes in attention networks are associated with preclinical Alzheimer's disease biomarkers. *Neurobiology of Aging*, *36*, 1771-1779.
- Kotyuk, E., Duchek, J., Head, D., Szekely, A, Goate, A.M., Balota, D.A. (2015). A genetic variant (COMT) coding dopaminergic activity predicts personality traits in healthy elderly. *Personality and Individual Differences*, *82*, 61-66.
- Chetail, F., Balota, D.A., Treiman, R., Content, A. (2015). What can megastudies tell us about the orthographic structure of English words? *Quarterly Journal of Experimental Psychology*, *68*, 1519-1540.
- Keuleers, E., Balota, D.A. (2015). Megastudies, crowdsourcing and large datasets in psycholinguistics: An overview of recent developments. *Quarterly Journal of Experimental Psychology*, *68*, 1457-1468.
- Maddox, G., & Balota, D.A. (2015). Retrieval practice and spacing effects in young and older adults: An examination of the benefits of desirable difficulty. *Memory & Cognition*, *43*, 760-774.
- Huff, M.J., Balota, D.A., Minear, M., Aschenbrenner, A.J., & Duchek, J.M. (2015). Dissociative global and local task-switching costs across younger adults, middle-aged adults, older adults, and very mild Alzheimer Disease Individuals. *Psychology and Aging*, *30*, 727-739.

- Aschenbrenner, A.J., Balota, D.A., Fagan, A.M., Duchek, J.M., Benzinger, T.L.S., Morris, J.C. (2015). Alzheimer disease cerebrospinal fluid biomarkers moderate baseline differences and predict longitudinal change in attentional control and episodic memory composites in the Adult Child Study. *Journal of the International Neuropsychological Society*, 21, 573-583.
- Balota, D.A. (2016). Speed reading: You can't always get what you want, but can you sometimes get what you need? *Psychological Science in the Public Interest*, 17, 1-3.
- Cohen-Shikora, E. & Balota, D.A. (2016). An examination of age-related changes in the control of lexical and sublexical pathways in mapping spelling to sound. *Aging, Neuropsychology and Cognition*, 23, 218-233.
- Aschenbrenner, A.J., Balota, D.A., Gordon, B.A., Ratcliff, R., Morris, J.C. (2016). A diffusion model analysis of episodic recognition memory in individuals with a Family History for Alzheimer's Disease: The Adult Child Study. *Neuropsychology*, 30, 225-238.
- Cohen-Shikora, E. & Balota, D.A. (2016). Visual word recognition across the adult lifespan. *Psychology and Aging*, 31, 488-502.
- Huff, M., Balota, D.A., & Hutschison, K.A. (2016). The costs and benefits of testing and guessing on recognition memory. *Journal of Experimental Psychology: Learning, Memory & Cognition*, 42, 1559-1572.
- Aschenbrenner, A.J., & Balota, D.A. (2017). Dynamic adjustments of attentional control in healthy aging. *Psychology & Aging*, 32, 1-15.
- Finley, J.R., Sungkhasettee, V.W., Roediger, H.L., & Balota, D.A. (2017). Relative contributions of semantic and phonological associates to over-additive false recall in hybrid lists. *Journal of Memory & Language*, 83, 154-168.
- Aschenbrenner, A.J., Balota, D.A., Weigand, A.J., Scaltritti, M., & Besner, D. (2017). The first letter position effect when identifying a printed word: The role of spatial attention. *Journal of Experimental Psychology: Human Perception and Performance*, 43, 700-718.
- Millar, P.R., Balota, D.A., Maddox, G.B., Duchek, H.M., Aschenbrenner, A.J., Fagan, A.M., Benzinger, T.L.S., & Morris, J.C. (2017). Process dissociation analyses of memory changes in healthy aging, preclinical, and very mild Alzheimer disease: Evidence for isolated recollection deficits. *Neuropsychology*, 31, 708-723.
- Mishra, S., Gordon, B.A., Su, Y., Christensen, J., Friedrichsen, K., Jackson, K., Hornbeck, R., Balota, D.A., Cairns, H.J., Morris, J.C., Ances, B.M., Benzinger, T.L.S. (2017). AV-145 PET imaging of tau pathology in preclinical Alzheimer disease: Defining a summary measure. *Neuroimage*, 161, 171-178.

- Balota, D.A., Aschenbrenner, A.J., Yap, M.J. (2018). Dynamic adjustments of lexical processing in the lexical decision task: Cross-trial sequence effects. *Quarterly Journal of Experimental Psychology*, 71, 37-45.
- Gyurkovics, M., Balota, D.A., & Jackson, J.D. (2018). Mind-wandering in healthy aging and early stage Alzheimer's disease. *Neuropsychology*, 32, 89-101.
- Huff, M.J., Yates, T.J., & Balota, D.A. (2018). Evaluating the contributions of task expectancy in the testing and guessing benefits on recognition memory. *Memory*, 26, 1065-1083.
- Aschenbrenner, A.J., Yap, M.J., & Balota, D.A. (2018). The generality of dynamic adjustments in decision processes across trials and tasks. *Psychonomic Bulletin & Review*, 25, 1917-1924.
- Millar, P.R., Balota, D.A., Bishara, A.J., & Jacoby, L. L. (2018). Multinomial Models Reveal Deficits of Two Distinct Controlled Retrieval Processes in Aging and Very Mild Alzheimer Disease. *Memory & Cognition*, 46, 1058-1075.
- Maddox, G.B., Balota, D.A., Kumar, A.A., Millar, P.R., & Churchill, L. (2019). The immediate benefits and long-term consequences of briefly presented masked primes on episodic recollection. *Journal of Memory & Language*, 106, 77-94.
- Aschenbrenner, A.J., & Balota, D.A. (2019). Additive effects of item-specific and congruency sequence effects in the vocal Stroop task. *Frontiers in Psychology*, 10, Article Number 860, Special Issue on the Stroop Task.
- Kumar, A.A., Balota, D.A., Habbert, J., Scaltritti, M., Maddox, G.B. (2019). Converging semantic and phonological information in lexical retrieval and selection in young and older adults. *Journal of Experimental Psychology: Learning, Memory & Cognition*, 45, 2267-2289.
- Wulff, D.U., DeDeyne, S., Jones, M.N., Rui, M., et al. Group Author(s): Aging Lexicon Consortium (2019). New Perspectives on the Aging Lexicon. *Trends in Cognitive Sciences*, 23, 686-698.
- Duchek, J.M., Aschenbrenner, A.J., Fagan, A.M., Benzinger, T.L.S., Morris, J.C. & Balota, D.A. (2019). The Relation Between Personality and Biomarkers in Sensitivity and Conversion to Alzheimer Type Dementia. *Journal of the International Neuropsychological Society*, 26(6), 596-606.
- Kumar, A.A., Balota, D.A., Steyvers, M. (2019). Distant Connectivity and Multiple-Step Priming in Large-Scale Semantic Networks. *Journal of Experimental Psychology: Learning, Memory and Cognition*.
- Schultz, S.A., Gordon, B.A., Mishra, S., Su, Y., Morris, J.C., Ances, B.M., Duchek, J.M., Balota, D.A., & Benzinger, T.L.S. (2019). Association between personality and tau-PET binding in cognitively normal older adults. *Brain Imaging and Behavior*, 1-10.
- Nicosia, J. & Balota, D.A. (2020). The consequences of processing goal irrelevant information during the Stroop task. *Psychology & Aging*, 35(5), 663-675.

Mill, R. D., Gordon, B. A., Balota, D. A., & Cole, M. W. (2020). Predicting dysfunctional age-related task activations from resting-state network alterations. *NeuroImage*, *221*, 117167.

Nicosia, J. and Balota, D. (2020) Age Differences in Cross-Task Bleeding. *Psychology and Aging*, *35*(6), 881-893.

Millar, PR, Ances, BM, Gordon, BA, Benzinger, TLS, Fagan, AM, Morris, JC, & Balota, DA (2020). Evaluating resting-state BOLD variability in relation to biomarkers of preclinical Alzheimer disease. *Neurobiology of Aging*, *96* 233-45.

Millar, PR, Petersen, SE, Ances, BM, Gordon, BA, Benzinger, TLS, Morris, JC, & Balota, DA (2020). Evaluating the sensitivity of resting-state BOLD variability to age and cognition after controlling for motion and cardiovascular influences: A network-based approach. *Cerebral Cortex*, *30* (11), 5686-5701.

Wetherell, J. L., Ripperger, H. S., Voegtle, M., Ances, B. M., Balota, D., Bower, E. S., Depp, C., Eyler, L., Foster, E.R., Head, D., Hershey, T., Hickman, S., Kamantigue, N., Klein, S., Miller, J.P., Yingling, M.D., Nichols, J., Nicol, G.E., Patterson, B.W., Rodebaugh, T.L., Shimony, J.S., Snyder, A.S., Stephens, M., Tate, S., Uhrich, M.L., Wing, D., Wu, G.F., & Lenze, E.J., On Behalf of the MEDEX Research Group\* (2020). Mindfulness, Education, and Exercise for age-related cognitive decline: Study protocol, pilot study results, and description of the baseline sample. *Clinical Trials*, 1740774520931864.

Aschenbrenner, A.J., Petros, J., McDade, E., Wang, G., Balota, D.A., Benzinger, T.L., Cruchaga, C., Goate, A., Xiong, C., Perrin, P., Fagan, A.M., Graff-Radford, N., Ghetti, B., Levin, J., Weidinger, E., Schofield, P., Graber, S., Lee, J., Chhatwal, J.P., Morris, J.C., Bateman, R., & Hassenstab, J. for the Dominantly Inherited Alzheimer Network (2020). Relationships between big-five personality factors and Alzheimer's disease pathology in autosomal dominant Alzheimer's disease. *Alzheimer's & Dementia: Diagnostic, Assessment, and Disease Monitoring*, *12*, 1-10.

Aschenbrenner, A.J., Gordon, B.A., Fagan, A.M., Schindler, S.E., Balota, D.A., Morris, J., C., Hassenstab, J.J. (2020). Neurofilament light predicts decline in attention but not episodic memory in preclinical Alzheimer's disease. *Journal of Alzheimer's Disease*, 1-11.

Millar, PR, Ances, BM, Gordon, BA, Benzinger, TLS, Morris, JC, & Balota, DA (2021). Evaluating cognitive relationships with resting-state and task-driven BOLD variability. *Journal of Cognitive Neuroscience*, *33*, 279-302.

Meeker, K.L., Ances, B.M., Gordon, B.A., Rudolph, C.W., Lockett, P.L., Balota, D.A., Morris, J.C., Fagan, A.M., Benzinger, T.L., Waring, J.D. (2021). Cerebrospinal fluid AB42 moderates the relationship between brain functional network dynamics and cognitive intraindividual variability. *Neurobiology of Aging*, *98*, 116-123.

Nicosia, J., Cohen-Sikora, E.R., & Balota, D.A. (2021). Re-examining age differences in the Stroop effect: The importance of the trees in the forest (plot). *Psychology and Aging*, 36, 214-222.

Kumar, A.A., Steyvers, M., & Balota, D.A. (2021). A critical review of network-based and distributional approaches to semantic memory structure and processes. *Topics in Cognitive Science*, 1-23.

Nicosia, J. & Balota, D.A. (in press). Dispositional factors account for age-related differences in mind wandering. *Psychology & Aging*.

Wilk, H., Aschenbrenner, A.A., Brian, G., Balota, D.A., Fagan, A., Balls-Berry, J., Benzinger, T., Cruchaga, C., Morris, J., Musiek, E., Hassenstab, J. (2022). Sharper in the Morning: Cognitive Time of Day Effects Revealed with High-Frequency Smartphone Testing. *Journal of Clinical and Experimental Neuropsychology*, 1-12.

McKay, N., Dincer, A., Vidushri, M., Aschenbrenner, A.A., Balota, D.A., Hornbeck, R., Hassenstab, J., Morris, J., Benzinger, T., Gordon, B. (in press). Beta-amyloid moderates the relationship between cortical thickness and attentional control in middle- and older-aged adults. *Neurobiology of Aging*.

Kumar, A.A., Steyvers, M., & Balota, D.A. (in press). Semantic Memory Search and Retrieval in a Novel Cooperative Word Game: A Comparison of Associative and Distributional Semantic Models. *Cognitive Science*.

## Chapters

Rayner, K., & Balota, D.A. (1989). Parafoveal preview effects and lexical access during eye fixations in reading. In W. Marslen-Wilson (Ed.), *Lexical representation and process* (pp. 261-290). MIT press.

Balota, D.A. (1990). The role of meaning in word processing. In D.A. Balota, G. Flores D'Arcais, & K. Rayner (Eds.), *Comprehension Processes in Reading* (pp. 9-32). Lawrence Erlbaum Associates, Hillsdale, NJ

Rayner, K., Flores D'Arcais, G.B., & Balota, D.A. (1990). Comprehension processes in reading: Final thoughts. In D.A. Balota, G. Flores D'Arcais, & K. Rayner (Eds.), *Comprehension Processes in Reading*, (pp. 631-638). Lawrence Erlbaum Associates, Hillsdale, NJ.

Balota, D.A., Ferraro, R.F., & Connor, L.T. (1991). On the early influence of meaning in word recognition: A review of the literature. In P. Schwanenflugel (Ed.), *The Psychology of Word Meaning* (pp. 187-222). Lawrence Erlbaum Associates, Hillsdale, NJ.

Balota, D.A., & Rayner, K. (1991). Word recognition processes in foveal and parafoveal vision. In D. Besner & G. Humphreys (Eds.), *Basic Processes in Reading: Visual Word Recognition* (pp. 198-232). Lawrence Erlbaum Associates, Hillsdale, NJ

Balota, D.A., & Duchek, J.M. (1992). Age-related changes in spreading activation: Implications for connectionist models of cognitive aging. In J. E. Morley, R. M. Coe, R. Strong, and G.T. Grossberg (Eds). *Memory Functions in Aging and Aging-Related Disorders* (pp. 75 - 96). Springer Publishing Company

- Duchek, J.M., & Balota, D.A. (1993). Sparring of activation processes in older adults. In J. Cerella, J. Rybash, W. Hoyer, & M.L. Commons (Eds), *Adult Information Processing: Limits on Loss* (pp. 384 – 403). Academic Press, Inc., San Diego, CA.
- Balota, D.A. (1994). Visual word recognition: The journey from features to meaning. In M. Gernsbacher (Ed.), *Handbook of Psycholinguistics* (pp. 303 – 358). Academic Press, pages.
- Balota, D.A., Paul, S., Spieler, D. (1999). Attentional control of lexical processing pathways during word recognition and reading. In S. Garrod & M. Pickering (Eds). *Language Processing* (pp. 15-57). Psychology Press Ltd.
- Balota, D.A. (2000). Cognition. In A. Kazdin (Ed.) *Encyclopedia of Psychology* (volume 2, pp. 303 – 358). Oxford University Press.
- Balota, D.A., & Cortese, M.J. (2000). Theories in Cognitive Psychology, in A. Kazdin (Ed.), *Encyclopedia of Psychology* (volume 2, pp. 153-158). Oxford University Press.
- Balota, D.A., & Watson, J. W. (2000). Methods in Cognitive Psychology, in A. Kazdin (Ed.), *Encyclopedia of Psychology* (Volume 2, pp. 158-162). Oxford University Press.
- Balota, D.A., Dolan, P.O., Duchek, J.M. (2000). Memory changes in healthy older adults. In E. Tulving & F.I.M. Craik (Eds), *Handbook of Memory* (pp. 395-410). Oxford University Press,.
- Roediger, R.L., Balota, D.A. & Watson, J.M. (2001). Spreading activation and the arousal of false memories. In H.L. Roediger, J.S. Nairne, I. Neath, & A.M. Surprenant (Eds). *The Nature of remembering: Essays in honor of R.G. Crowder* (pp. 95-115). American Psychology Association, Washington, DC,
- Balota, D.A., Cortese, M.I., & Wenke, D. (2001). Ambiguity resolution as a function of reading skill, age, dementia, and schizophrenia: The role of Attentional Control. To appear in D. Gorfein (Ed.). *The consequences of meaning selection*. (pp. 87-102). Psychology Press.
- Balota, D.A., & Faust, M.E. (2001). Attention in Alzheimers Disease. In F. Boller & S. Cappa (Eds.), *Handbook of Neuropsychology*, 2<sup>nd</sup> Edition, Volume 6, (pp. 51-80). Elsevier Science.
- Roediger, R.L., & Balota, D.A. (2003). Managing you career: The long view. To appear in J.M. Darley, M. P. Zanna, & H.L. Roediger III (Eds.) *The Compleat Academic: A career guide (2<sup>nd</sup> Edition)*. Psychology Press, Washington, D.C (pg 393-407).
- Balota, D. A., & Yap, M. J. (2005). Visual Word Recognition. In K. Brown (Ed.), *The Encyclopedia of Language and Linguistics (2nd Edition)* (pp. 649-654). Oxford, UK: Elsevier.
- Balota, D.A., Duchek, J.M., Logan, J.M. Is expanded retrieval practice a superior form of spaced retrieval? A critical review of the extent literature. Nairne, J.S. (Ed.), *The foundations of remembering: Essays in honor of Henry L. Roediger III*. (pages 83-106), New York, Psychology Press.

- Balota, D.A., & Yap, M. Attentional control and flexible lexical processing; Explorations of the magic moment in word recognition. To appear in S. Andrews S. (Ed). *From Inkmarks to ideas*. (pages 229-258), Psychology Press.
- Balota, D.A., Yap, M.J., Cortese, M.I. (2006). Visual word recognition. The journey from features to meaning (A Travel update). In M.J. Traxler & M.A. Gernsbacher (Eds). *Handbook of Psycholinguistics: Second Edition* (pages 285-376), Amsterdam, Academic Press.
- Faust, M.E., & Balota, D.A. (2007). Inhibition, Facilitation, and Attention Control in Dementia of the Alzheimer Type: The role of unifying principles in cognitive theory development. To appear in D. S. Gorfein & C. McLeod's (Eds) *The place of inhibition in Cognition* (pages 213-238), Psychology Press.
- Balota, D.A., Coane, J.H. Semantic Memory. (2008). In J. Byrne (Ed): *Learning and Memory: A comprehensive Review* (pages 511-534). Elsevier, Oxford, UK
- Balota, D.A., Coane, J.H. Semantic Memory. (2009). In J. Byrne (Ed): *Conise Learning and Memory: Editor's selection* (pages 87-110), Elsevier, Oxford UK. Note this is a reprinting of the Balota and Coane (2008) chapter.
- Cortese, M.J., & Balota, D.A. (2012). Visual Word Recognition in skilled adult readers. In M. J. Spivey, K. McRae, & M.F. Joannisse (Eds.), *The Cambridge Handbook of Psycholinguistics* (pp. 159-185). Cambridge University Press. New
- Balota, D.A., Yap, M.J., Hutchison, K. A., & Cortese, M.I. (2013). Megastudies of Visual Word Recognition: What do millions (or so) of trials tell us about lexical processing. In J. S. Adelman (Ed.) *Visual Word Recognition Volume 1: Models and methods, orthography and phonology* (pp. 90-115). New York, NY: Psychology Press.
- Yap, M., & Balota, D.A. (2015). Visual Word Recognition. In A. Pollatsek & R. Treiman (Eds.), *Oxford handbook of reading*. (pp. 26-43). New York, U.S.: Oxford University Press.
- Balota, D.A., & Duchek, J.M. (2015). Attention, variability, and biomarkers in Alzheimer's disease. To appear in D.S., Lindsay, C.M. Kelley, A.P. Yonelinas, and H.L. Roediger III (Eds), *Remembering: Attributions, processes, and control in human memory (in honour of Larry L. Jacoby)*. (pp. 285-304). New York: Psychology Press.

## Books

- Balota, D.A., Flores D'Arcais, G., & Rayner, K. (Eds.), *Comprehension Processes in Reading*, Lawrence Erlbaum, 1990.
- Balota, D.A., & Marsh, E. J. (Eds.) *Cognitive Psychology: Essential Readings*. Psychology Press, 2004.

## Invited Lectures

- Purdue University (1986)  
 University of Missouri at Columbia (1986, 1992)  
 University of South Dakota (1986)

The Central Institute for the Deaf, Washington University (1987)  
 University of Nijmegen, The Netherlands (1987)  
 The Netherlands Institute for Advanced Study (1987)  
 University of Leiden, The Netherlands (1988)  
 University of Brussels, Belgium (1988)  
 Washington University Medical School (1988)  
 The University of Georgia (1989)  
 The Max Planck Institute for Psycholinguistics, The Netherlands (1990)  
*The Governor's Conference on Aging* (1990)  
 VA Symposium on *Memory in Aging and Aging-Related Disorders* (1990)  
 Indiana University (1991)  
*American Psychological Association* (1991) invited address for *Division 3*  
 International Congress of Psychology (1992, Brussels)  
 McDonnell-Pew Center for Cognitive Neuroscience (1993) UCSD  
 The XVth Congress of Gerontology (1993, Budapest)  
 McMaster University, Hamilton, Ontario (1993)  
 University of Illinois, Beckman Institute (1994)  
 Overview talk at Cognitive Aging Conference, Atlanta, GA (1996)  
 Ohio State University (1996)  
 University of Canterbury, New Zealand (1996)  
 University of Otago, New Zealand (1996)  
 Memory Symposium, Washington University (1997)  
 Georgia Tech University, Atlanta (1997)  
 NIH IDEA conference, University of North Dakota (1998)  
 Kendon Smith Lecture Series, University of North Carolina at Greensboro (1998)  
 Memory Disorders Society, Boston (1998)  
 Midwestern Psychological Association, Chicago (1999)  
 Crowder Symposium, Yale University (1999)  
 American Psychological Society (1999)  
 Ambiguity Conference, Arlington Texas (2000)  
 Humboldt University, Berlin, Germany (2000)  
 University of Toronto, St. George Campus (2001)  
 University of California at Riverside (2001)  
 University of California at San Diego (2002) 2 talks in Cognitive Science Department  
 University of California at Santa Barbara (2002)  
 University of South Carolina (2002)  
 BASICS, Keynote, Banff, CA (2003)  
 Presidential Address, Division 3, APA, Toronto, CA (2003)  
 Sydney Work Shop on Word Recognition (2003)  
 Arlington Texas, Inhibition Conference (2005)  
 St. Louis, Missouri, Semantics Conference (2005)  
 Purdue University, Memory Conference (2005)  
 Keynote Speaker at the Showme Conference (2005)  
 Keynote Speaker at the GUV Conference (2005)  
 Syracuse University (2005)  
 Plenary Talk at Cognitive Aging Conference, Atlanta (2006)  
 Rice University (2006)  
 APA, Toronto (2009)  
 U. of Illinois (2010)  
 Colby College (2010)  
 U. of Montana (2010)  
 U. of Barcelona (2010)  
 Max Planck Institute (2010), Nijmegen

Psycholinguistics in Flanders Conference (2010), Ghent, Belgium, Keynote  
 University of Toronto (2011).  
 University of Southern Illinois at Carbondale (2012).  
 U of California at Santa Barbara, Summer Institute for Cognitive Neuroscience (2012).  
 Indiana University (2012)  
 Washington University Medical School, Grand Rounds (2012).  
 Washington University (2013), Jacoby Festschrift  
 Macquarie University, (2013), Keynote Speaker  
 Macquarie University (2013), Public Lecture  
 Macquarie University (2013), Colloquium  
 University of Toronto (2014), 24th Annual Rotman Research Conference  
 DART Neuroscience (2014), Biomarkers of Memory  
 Elon University (2015), Keynote at North Carolina Cognition Conference  
 BASICS, Keynote Speaker (2015), Banff, CA  
 Rhodes University (2015), Colloquium  
 San Diego State University (2016), Colloquium  
 University of Texas at El Paso (2016), ARMADILLO Conference, Keynote Speaker  
 University of Texas at El Paso (2016), Colloquium  
 University of California at San Diego (2017), Colloquium  
 University of Wisconsin at Madison (2017), Invited Speaker at *Data outside the Lab*  
 conference.  
 Tsinghua University (2019)  
 Chinese National Academy of Science (2019)  
 Nanjing University (2019)  
 Huadong Normal University (2019)  
 East China Normal University (2019)  
 Chinese University of Hong Kong (2019)  
 Invited Seminar on Language Processing broadcast to 300 Chinese Universities (2020)  
 Society for Philosophy and Psychology, Presidential Invited Address (2020)

### Conference Presentations

Have made over 100 presentations at various conferences including the Psychonomics  
 Society, Cognitive Aging Conference, Midwestern Psychological Association Conference,  
 Eastern Psychological Association Conference, Southeastern Psychological Association  
 Conference, and the International Congress of Psychology

### Grants: Past 3 Years

5R01 AG049369-04 (E. Lenze, PI) 9/30/14-5/31/2019  
*Remediating Age Related Cognitive Decline: Mindfulness-Based Stress Reduction and Exercise*  
 NIH/NIA  
 Role: Co-Investigator (.60 CM)

PD 09-7252 (D. Balota, PI) 1/1/2018-12/31/2020  
 NSF/PAC  
*Rejuvenating the English Lexicon Project*  
 Role: PI

1R03MH115246-01A1 (English) 7/1/2018-6/30/2020  
 NIH/NIA  
*The Role of Cognitive and Social Processes in Emotion Regulation Across Adulthood*  
 Role: Co-Investigator (1.0 CM)

1R21 AG057937-01 (J. Bugg)

4/01/2018 – 3/31/2020

NIH/NIA

*Memory-Based Attentional Control: A Behavioral Biomarker for Preclinical and Early Stage Alzheimer's Disease?*

Role: Co-Investigator (.60 CM)

### Grants Active:

5T32AG000030-42

05/01/2017-04/30/2022

*Aging and Development*

NIH/NIA

Role: Director

5P01AG003991-35 (J. Morris, PI)

05/01/2019-04/30/2024

*Healthy Aging and Senile Dementia*

NIH/NIA

Role: Co-Investigator (.60 CM)

1R01AG057840-01A1 (Hassenstab)

9/1/2018-8/31/2023

NIH/NIA

*Optimizing Cognitive Assessment in DIAN with Smartphone-Based Burst Testing*

Role: Co-Investigator (.60 CM)

1R01AG057680-01A1 (Stark/Ances) 7/01/18-06/30/23

NIH/NIA

*FALLS: A Marker of Preclinical Alzheimer's disease*

Role: Co-Investigator (1.20 CM)

### Areas of Interest

Aging and Cognition; Cognitive Changes in Alzheimer's Disease; Word Recognition; Semantic Memory; Chronometric Analyses; Controlled vs Automatic Processing; Reading; Echoic Memory; Threshold Priming; Neural Substrates of Cognitive Performance

### Courses Taught

*Cognitive Psychology*, 360, Washington University

*Mind-Brain*, HP120, Washington University

*Experimental Psychology*, 301, Washington University

*Psychology and Language*, 433, Washington University

*Memory and Cognition*, 508, Washington University

*Advanced Topics in Cognitive Psychology*, 5081, Washington University

*Visual Word Recognition Seminar*, 5081, Washington University

*Inhibitory Systems in Cognition*, 5081, Washington University

*Introductory Psychology*, 100, University of Kentucky

*Psychology of Learning*, 330, Iowa State University

*Learning and Memory*, 520, Iowa State University

### University Responsibilities

Associate Chairperson of Department of Psychology 96 - 2004  
 Director of Linguistics Program. 92-95, and 2002-2013  
 Coordinator of Cognitive Science Interdisciplinary Research Group  
 Steering Committee Member for PNP program  
 Member of Olin Selection Committee, 1996-1999  
 Tenure Review and Promotions Committee, 2001-2004  
 Review Committee on Faculty Personnel Procedures, 2004-2007, Chair 2007  
 Executive Committee for Alzheimers Disease Research Center  
 Board of Trustees Faculty Representative (2011- 2014)  
 Faculty Senate Council (6/17- 6/20)  
 Served on numerous departmental and university committees

### **Dissertation Core Committees (about 60)**

#### **Dissertation Outside Evaluator**

G. Glanzenborg, University of Leiden  
 Janine Jennings, McMaster University  
 Neville Hennesey, University of Western Australia  
 Britta Biederman, Macquarie University  
 Verena Pritchard, University of Canterbury  
 Joyce Alberts, University of Canterbury  
 Shannon O'Malley, University of Waterloo  
 Karen Cambell, University of Toronto  
 Bianca de Wit, Macquarie University  
 John Anderson, University of Toronto  
 Hagar Feinstein, University of Delaware

#### **Dissertations Directed**

Sheila Black (Associate Professor at the University of Alabama, Tuscaloosa)  
 Lisa Connor (Professor and Chair of Occupational Therapy at Washington University)  
 Katherine Verdolini-Marston (Professor at University of Delaware)  
 Lynne Shields (Professor at Fontbonne College, retired)  
 Daniel Spieler (Associate Professor at Georgia Tech University)  
 Stephen Kanne (Professor at University of Missouri at Columbia)  
 Christopher Brady (Research Associate at Boston VA, Asst Professor at Boston U)  
 Becky Allen-Burge (Professor at the University of Alabama, Tuscaloosa)  
 Jason Watson (Associate Professor, University of Colorado at Denver)  
 Jessica Logan (Assistant Professor, Rice University)  
 Melvin Yap (Professor, University of Singapore)  
 Jennifer Coane (Associate Professor, Colby College)  
 Geoffrey Maddox (Associate Professor, Rhodes College)  
 Emily Cohen-Shikora (Lecturer Washington University)  
 Andy Aschenbrenner (Asst Professor, Research Track, Washington U, Dept of Neurology)  
 Peter Millar (Postdoc, Washington University)  
 Abhilasha Kumar (Postdoc, Indiana University, Asst, Professor Bowdoin University)  
 Jessica Nicosia (Postdoc, Washington University, Dept of Neurology)\_

#### **Post Doctoral Advisor for:**

Richard Ferraro, NIA grant AG10193 (Professor at the University of North Dakota)  
 Mark Faust, NIA grant AG10194 (Professor at U. of North Carolina at Charlotte)  
 Steven Paul, NIA training grant (Professor at Robert Morris University)  
 Kristi Multhaup, NIA training grant (Professor and Chairperson at Davidson College)

David R. Adams, NIA GRANT AG1093 (Computer Development Corp)  
 Mike Cortese, NIA Grant AG1093 (Professor at the University  
 of Nebraska at Omaha)  
 Maura Pilotti, NRSA (Professor and Chair of Applied Behavioral Science  
 Program at Ashford College)  
 Patrick O. Dolan, NIA training grant (Professor and Chairperson at Drew College)  
 Susan Marshall, NIA Grant (Teaching Professor at U. of Kansas)  
 Keith Hutchison, NSF (Professor, University of Montana)  
 Alan Castel (Professor, U.C.L.A.)  
 Dave McCabe, 50%, (Asst Professor, Colorado State University, deceased)  
 Ching-Shing Tse NIA Grant (Assoc. Professor and Chair, University of Hong Kong)  
 Ashley Bangert, NIA Training Grant, (Asst Professor, University of Texas at El Paso)  
 Mary Pyc, Applied Cognitive Neuroscience, Apple Computer Corporation  
 Kótyuk Eszter, Visiting, Hungary Fellowship, Assistant Professor at  
 University of Budapest  
 Mark Huff, NIA Training Grant, Assoc. Professor at Southern Mississippi University

### **Undergraduate Research Projects**

**Honors Students:** Total about 15 between Psychology and PNP

**Psych 500 Students:** Average 2 per year

**PNP 2nd Year Mentors:** On Average 2 every three years

### **Professional Activities**

#### **Editor**

*Psychonomic Bulletin & Review* (2002 – 2005)

#### **Associate Editor**

*Journal of Memory and Language* (1993 – 1996)

#### **Guest Editor**

Special Issue on Megastudies (2014-2015), *Quarterly Journal of Experimental Psychology*

#### **Member of Editorial Board**

*Journal of Experimental Psychology: Learning, Memory & Cognition*  
 (1986 - 1992)

*Journal of Memory and Language* (1988-1992, 1997 - 2002)

*Journal of Gerontology: Psychological Sciences* (1992 - 1996)

*Neuropsychology* (1996 - 2002)

*Psychological Review* (2006- 2015)

*Journal of Memory & Language* (2009-2021)

*Behavior Research Methods* (2014-)

*Psychonomic Bulletin & Review* (2006- )

#### **Ad Hoc Reviewer**

*Journal of Experimental Psychology: Human Perception and Performance, Science, Journal of Experimental Psychology: General, Psychological Review, Psychological Bulletin, Cognition, Memory & Cognition, Quarterly Journal of Experimental Psychology, Language and Cognitive Processes, Neuropsychologia, Cognitive Neuropsychology, Perception and Psychophysics, Psychology and Aging, Memory, American Journal of Psychology, Canadian Journal of Psychology, Applied Cognitive Psychology, Research Methods, Journal of the International Neuropsychological Society, Behavior Research Methods, Instruments, and Computers, Encyclopedia of Human Biology, National Science Foundation, Air Force Office of Scientific Research, National Institute on Aging, Special Study Section, National Institute on Aging, Training Grant Review, Natural Sciences and Engineering Research Council of Canada, Alzheimer's Disease and Related Disorders Program For Missouri, National Institutes of Health BBBP4 Study Section, NIA Training Grant Study Section*

### **External Department Review Committee**

University of Massachusetts at Amherst  
 Georgia Tech Universtiy  
 S.U.N.Y. at Binghamton (twice, 2006 and 2016)  
 Singapore University (scheduled, summer 2022)

### **Membership**

The Psychonomic Society (Governing Board Member, 1997-present, Chair, 2003)  
 The American Psychological Association (Fellow, Executive Board Member 2000)  
 (President of Division 3, 2003-2004)  
 The American Psychological Society (Fellow)  
 American Association for the Advancement of Science (Fellow)  
 Society for Experimental Psychologists  
 Advisory Board for Attention & Performance  
 The Midwestern Psychological Association (Fellow)  
 Sigma XI  
 Psi Chi